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September  
 2014

# SOUTH MAGNOLIA CSO CONTROL PROJECT

## Construction of the new sewer pipeline is underway

Work is beginning on the second part of a pollution control project that will reduce discharges of stormwater and raw sewage into Puget Sound near 32nd Avenue West in Magnolia. The South Magnolia Combined Sewer Overflow (CSO) Control Project is designed to meet current standards for CSO control.

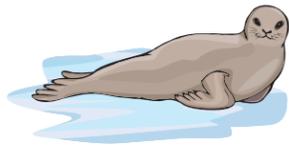
In April 2014, King County awarded Walsh Construction Company a contract to install almost 3000 feet of new sewer pipeline, connecting the sewer system on 32nd Avenue West to a new underground storage tank and the County's sewer in the Smith Cove area. Mears Group, Inc. will perform drilling work using a method called Horizontal Directional Drilling. This method is used to install pipelines under busy roads, waterways, and features like Magnolia Bluff.

Walsh crews have been hard at work preparing construction sites at 32nd Avenue West and a portion of the Smith Cove Athletic Field on 23rd Avenue West. Drilling activities are beginning in September and expected to be completed by late fall. Connecting the new pipeline to the existing sewer will continue into mid-2015.

Once complete, the new pipeline will transfer stormwater and sewage flows that exceed sewer system capacity to the underground storage tank. After storms have passed, stored flows will be sent to the West Point Treatment Plant in Discovery Park. The storage tank will be flushed with water to clean it between uses.

## LOOK INSIDE

to learn about the new gravity sewer pipeline under construction now!



# WHAT'S NEXT?

## Keep up-to-date with the South Magnolia CSO Control Project

- Visit the project Web page at [www.kingcounty.gov/environment/wtd/Construction/Seattle/SMagnoliaCSOStorage](http://www.kingcounty.gov/environment/wtd/Construction/Seattle/SMagnoliaCSOStorage)
- Contact us to join the project email list

Contact **Monica Van der Vieren** at [monica.vandervieren@kingcounty.gov](mailto:monica.vandervieren@kingcounty.gov) or 206-477-5502 for more information or hard copies of Web information.

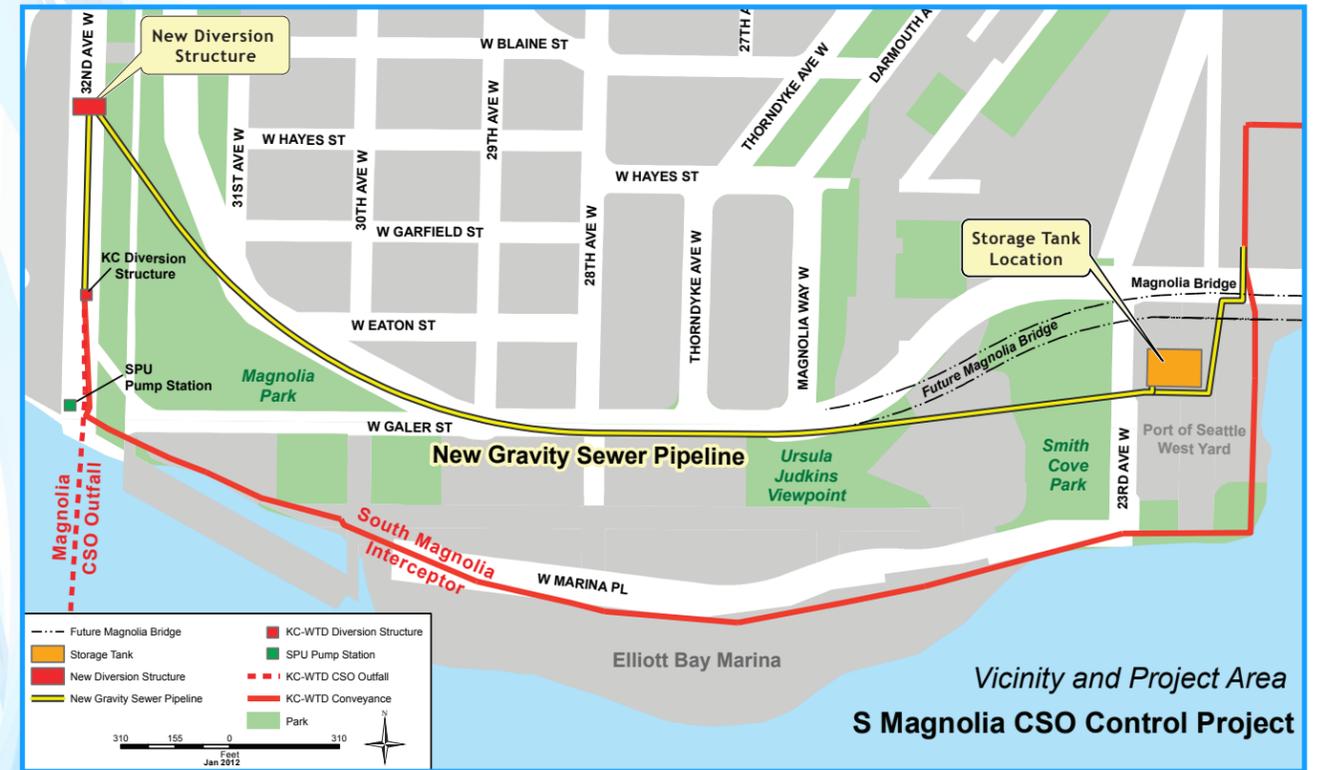
**QUESTIONS? CONCERNS?**  
 Call the construction hotline at 206-205-0968.

Alternate Formats Available.  
 Call 206-477-5371 or TTY:711.

South Magnolia CSO Control Project  
 Proposed Timeline\* Conveyance

Activity	2014			2015	
	Q2	Q3	Q4	Q1	Q2
Mobilization / site prep	■	■			
Prepare entry / exit sites for drill		■			
Work on structures in street		■	■	■	■
Detours on 32 <sup>nd</sup> Ave		■	■	■	
Horizontal Directional Drilling		■			
Pipe installation			■	■	
Restoration				■	■
Demobilization					■

\*This construction schedule is proposed and subject to change.



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**S Magnolia CSO Control Project**

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## Installing the new sewer pipeline

The contractors will use the Horizontal Directional Drilling (HDD) method to install a 36-inch diameter pipeline under Magnolia Bluff at depths ranging from 15 feet to 150 feet below the surface. "Trenchless" technologies like HDD help to avoid surface impacts from digging open trenches.

HDD is a three-step process. First, the contractor drills a pilot bore to set the path for installation. Then, the bore hole is enlarged to the size of the pipe. Finally, the pipeline is pulled through the hole.

To prepare for drilling, the contractor is building pits at the points where the pipeline will enter and exit Magnolia Bluff. This requires installation of shoring followed by excavation of soils. Drilling machinery is placed in the drill pits. Steel pipes called conductor casings are installed in the entry and exit points to protect the surface.

The contractor will carry out drilling and pipe assembly activities on 32nd Avenue West. Work will be carried out in the right-of-way and on Magnolia Boulevard Park property adjacent to 32nd Avenue West. A temporary roadway is installed around the work area to maintain traffic flow. The roadway will be shifted after drilling to allow construction of an underground structure connecting the existing sewer to the new pipeline.

After facilities are built on 32nd Avenue West, the contractor will restore disturbed pavement, install stormwater catch basins and replant areas where trees and shrubs were removed. Some trees are being repurposed as woody debris and wildlife snags in the restoration area. After the contractor completes maintenance requirements in the restoration area, King County will take over maintenance for a period of five years to ensure that plants get established.

Smith Cove Athletic Field will be restored to easement conditions established by Seattle Department of Parks and Recreation.

*Pipeline pullback is a continuous operation that may require the street to be closed.*



*Conductor casings are used to protect the hillside where the pipeline enters and exits*



*Stay safe on the temporary roadway! Drivers should travel slowly in the construction area*



## What you can expect

### Safe travel on 32nd Avenue West

You will encounter a temporary roadway on 32nd Avenue West. Drivers should proceed slowly through this area, obey traffic signs and direction from any flaggers, and watch for workers, other vehicles, pedestrians, and bicyclists. Walkers and bicyclists should stay in public travel areas and obey traffic signs and flaggers.

### Other activities to expect

People will experience increased truck traffic and noise as work on 32nd continues. The contractor will remain in compliance with local noise ordinances, and will monitor vibration. King County will maintain a 24/7 construction hotline at 206-205-0968 for questions, concerns and complaints. After a caller leaves a message, staff is paged and will respond to the call.



## Being a good neighbor to the the Magnolia Boulevard Park eagles during construction

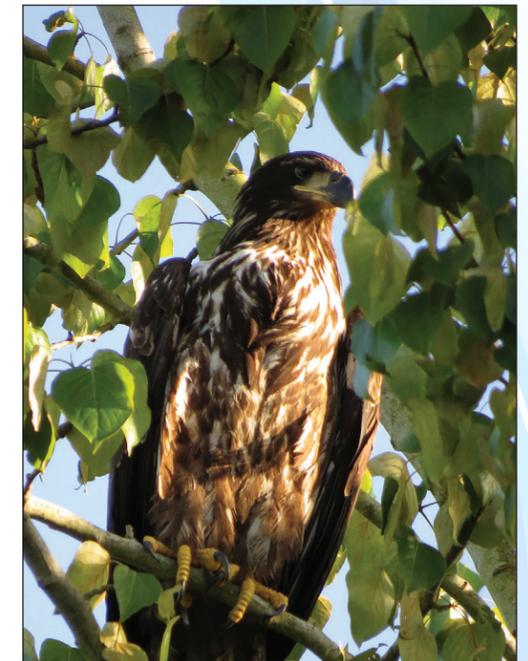
The Magnolia community has enjoyed majestic wildlife in Magnolia Boulevard Park, where a pair of bald eagles has nested in a cottonwood tree for several years. Protection of bald eagle nesting habitat beginning in 1980 resulted in dramatic recovery of the birds in Washington State. Although they were removed from the Endangered Species List in 2007, bald eagle management plans are still required for work around nests.

King County's Environmental Planner has worked closely with state and federal agencies to develop plans for work on 32nd Avenue West. These plans include seasonal restrictions on certain activities during nesting season, monitoring, and other accommodations for the birds. Interested people can contact Hillary Schafer at [Hillary.schafer@kingcounty.gov](mailto:Hillary.schafer@kingcounty.gov) or 206-477-5504 for more information.

King County's proactive work has resulted in an update to include this nest in the Washington Department of Fish and Wildlife (WDFW) Priority Habitats and Species (PHS) map (<http://wdfw.wa.gov/mapping/phs/>). Nests may be established by existing or new pairs of bald eagles. WDFW encourages people to contact with reports of eagle nests that do not appear on the map.

You can provide information to Gretchen Blatz (360-902-2484; [Gretchen.Blatz@dfw.wa.gov](mailto:Gretchen.Blatz@dfw.wa.gov).)

For more information about current bald eagle management and protection in Washington State, visit [http://wdfw.wa.gov/conservation/bald\\_eagle](http://wdfw.wa.gov/conservation/bald_eagle).



*Young bald eagles appear larger and darker than their white-headed parents.*